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R.P.

Attorney Docket No.: DIVER1220-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jay M. Short Art Unit: 1655
Application No.: 09/214,645 Examiner: B. Sisson
Filed: September 27, 1999
Title: METHOD OF DNA SHUFFLING WITH POLYNUCLEOTIDES
PRODUCED BY BLOCKING OR INTERRUPTING A SYNTHESIS OR
AMPLIFICATION PROCESS

Commissioner for Patents
Washington, D.C. 20231

RESPONSE

Sir:

In response to the Office Action dated April 25, 2000, please enter the following
amendments and remarks:

In the Specification:

On page one, immediately below the title, please insert --The present application claims
priority under 35 U.S.C. §119 to PCT/US97/712239, filed July 9, 1997.--

At page 14, line 14, please delete "strands" and insert therefor --strands (SEQ ID
NOs: 4-9)--.

At page 14, line 18, please delete "polynucleotides" and insert therefor --polynucleotides
(SEQ ID NOs: 10-13)--.

At page 21, line 29, please delete "[Gly-Gly-Gly-Gly-Ser]_x" and insert therefor --[Gly-
Gly-Gly-Gly-Ser]_x (SEQ ID NO: 1)--.

CERTIFICATION UNDER 37 CFR §1.8

I hereby certify that the documents referred to as enclosed herein are
being deposited with the United States Postal Service as first class
mail on 10-24-00 in
an envelope addressed to: Commissioner for Patents, Washington,
D.C. 20231

Margaret J. Pierce
Margaret J. Pierce

In re Application of:
Jay M. Short.
Application No.: 09/214,645
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Page 2

PATENT
Attorney Docket No.: DIVER1220-2

At page 24, line 14, please delete "(NNK)₁₀" and insert therefor --(NNK)₁₀ (SEQ ID NO: 2)--.

At page 24, line 15, please delete "(NNM)₁₀" and insert therefor --(NNM)₁₀ (SEQ ID NO: 3)--.

At page 50, line 26, please delete "(Gly-Gly-Gly-Gly-Ser)₃" and insert therefor --(Gly-Gly-Gly-Gly-Ser)₃ (SEQ ID NO: 1)--.

At page 21, line 16, amend "Tween" to --TWEEN® detergent--.

At page 21, line 17, amend "Triton" to --TRITON® detergent--.

At page 30, line 18, amend "Taq" to --TAQ® --.

At page 30, line 21, amend "Taq" to --TAQ® --.

At page 64, line 10, amend "Prime-it" to --PRIME-IT®--.

At page 64, line 10, amend "Stratagene" to --STRATAGENE™ Corporation --.

At page 64, line 13, amend "Prime-it" to --PRIME-IT®--.

At page 65, line 5, amend "Triton X-100" to --TRITON X-100® detergent--.

At page 65, line 5, amend "Taq" to --TAQ®--.

At page 65, line 6, amend "Robocycler" to --ROBOCYCLER® thermal cycler--.

At page 65, line 6, amend "Stratagene" to --STRATAGENE™ Corporation--.

In The Claims:

Please amend the claims as follows: